

JC10 Rec'd PCT/PTO 09 MAY 2005 #3
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PATENT

ATTORNEY DOCKET NO.: 040894-7183

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Shigeki SAKAI

U.S. Application No.: 10/525,045

Filed: February 18, 2005

National Stage Application of PCT/JP03/10456
(Filed: August 19, 2003)

For: SEMICONDUCTOR-FERROELECTRIC
STORAGE DEVICES AND PROCESSES
FOR PRODUCING THE SAME

Confirmation No. Unknown

Group Art Unit: Unknown

Examiner: Unknown

Commissioner for Patents
Customer Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicant brings to the attention of the Examiner the documents listed on the attached PTO Form 1449. To the best of the undersigned's knowledge, this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits for the above-referenced application. Accordingly, Applicant does not believe that a fee is due for filing this paper.

The documents listed in this Information Disclosure Statement were cited in an International Search Report issued by the Japanese Patent Office on January 20, 2004, in the PCT International Application from which this application is a national stage. A copy of the International Search Report and the references cited therein, are enclosed for the Examiner's consideration.

Applicant requests that the Examiner consider the listed documents and evidence that consideration by making appropriate notations on the attached PTO Form 1449.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each of the listed documents are material or constitute "Prior Art." If it should be determined that the listed documents do not constitute "Prior Art" under United States law, Applicant reserves the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 50-0310.

Respectfully submitted,

MORGAN, LEWIS & BOCKIUS LLP

Dated: May 9, 2005

By: 

Robert J. Goodell
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INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)
PTO Form 1449

Attorney Docket No.
040894-7183

Application No.: 10/525,045

Applicants: Shigeki SAKAI

PAGE 1 of 1

Filing Date: February 18, 2005

Group Art Unit: Unassigned

U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
	6,060,755	May 9, 2000	Ma et al.	-	-	
	2003/0027360 A1	Feb. 6, 2003	Hsu et al.	-	-	

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Sub Class	<u>Translation</u> YES NO	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Hag-Ju CHO, et al., "Structural and Electrical Properties of HfO_2 With Top Nitrogen Incorporated Layer", <i>IEEE Electron Device Letters</i> , Vol. 23, No. 5, May 2002, pages 249-251.
	Hoon Sang CHOI, et al., "Electrical Characteristics of $\text{Pt/SrBi}_2\text{Ta}_2\text{O}_5/\text{Si}$ Using Ta_2O_5 as the Buffer Layer", <i>2001 The Japan Society of Applied Physics</i> , Jpn. J. Appl. Phys. Vol. 40 (2001), Part 1, No. 4B, April 2001, pages 2940-2942
	Kyu-Jeong CHOI, et al., "Metal/ferroelectric/insulator/semiconductor structure of $\text{Pt/Sr Bi}_2 \text{ Ta}_2 \text{ O}_5/\text{YMnO}_3/\text{Si}$ using YMnO_3 as the buffer layer", <i>1999 American Institute of Physics</i> , Applied Physics Letters, Vol. 75, No. 5, August 2, 1999, pages 722-724.
	C. H. CHOI, et al., "Thermally Stable CVD HfO_xN_y Advanced Gate Dielectrics with Poly-Si Gate Electrode", <i>2002 IEEE, IEDM</i> , pages 857-860.

Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.